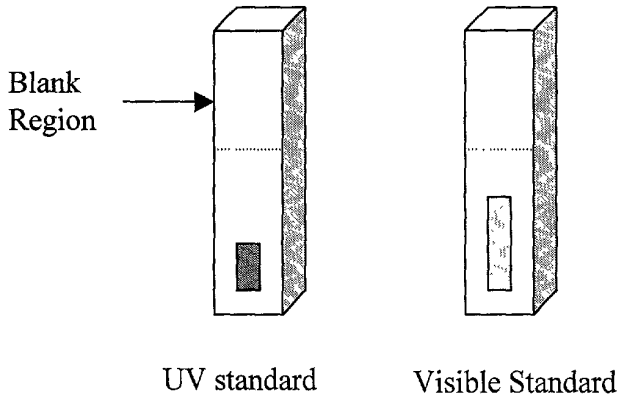

Fig. 1

An example of solid calibration standards for ultraviolet and visible wavelengths that can be used with the Turner Designs Hand-Held picofluor fluorometer.

(cells/ml= Easy Count Reading X 154578 - 17131723)

Easy Count Reading	Cells/ml
7000	1.1×10^9
6000	9.1×10^8
5000	7.6×10^8
4500	6.8×10^8
4000	6.0×10^8
3500	5.2×10^8
3000	4.5×10^8
2000	2.9×10^8
1000	1.4×10^8

Fig. 2

Example of a correlation using the invention to determine total cell counts. Cell counts were determined with the methylene blue technique.

(Cells/ml= Easy Count Reading X 163343 - 26930879)

Easy Count Reading	Cells/ml
7000	1.1×10^9
6000	9.5×10^8
5000	7.9×10^8
4500	7.1×10^8
4000	6.3×10^8
3500	5.4×10^8
3000	4.6×10^8
2000	3.0×10^8
1000	1.4×10^8

Fig. 3

Example of a correlation using the invention to determine live cell counts. Cell counts were determined with the methylene blue technique.

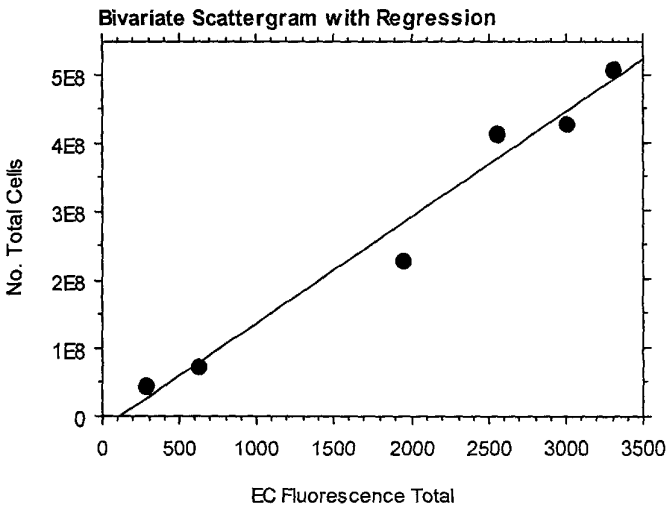

Fig. 4

Regression plot showing the relationship between Easy Count fluorescent readings and total cell concentrations of yeast as determined by the methylene blue method.

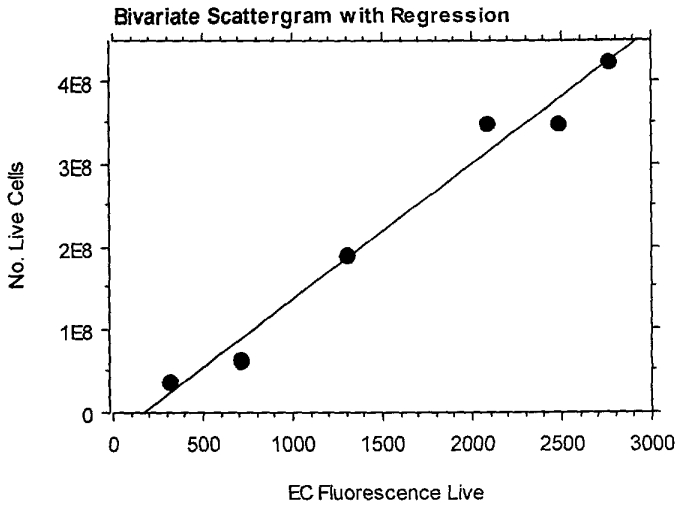

Fig. 5

Regression plot showing the relationship between Easy Count readings and viable cell concentrations of yeast as determined by the methylene blue method.

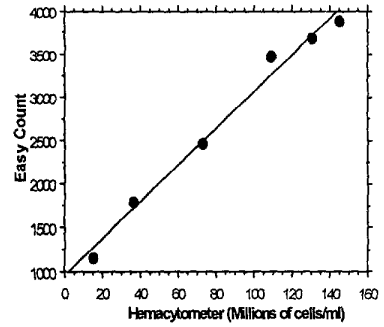

FIGURE 6

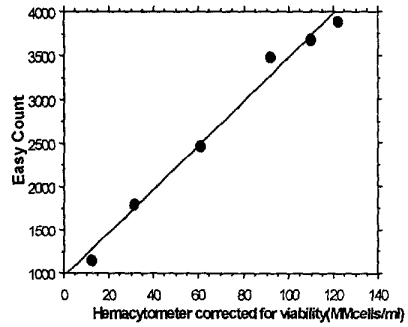

Figure 7

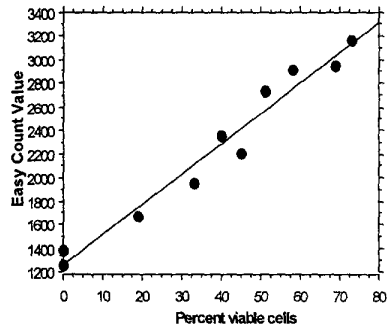

Figure 8

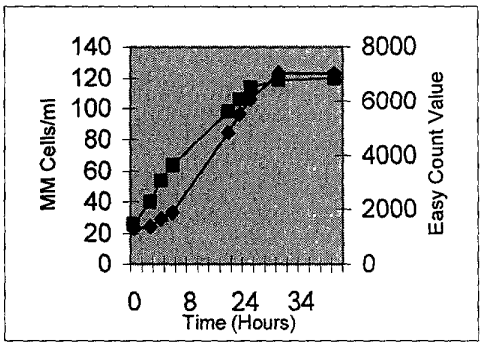

Figure 9

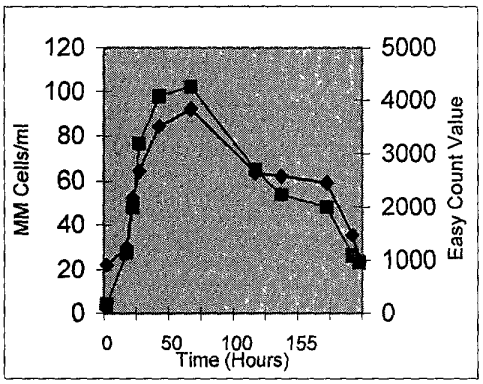

Figure 10

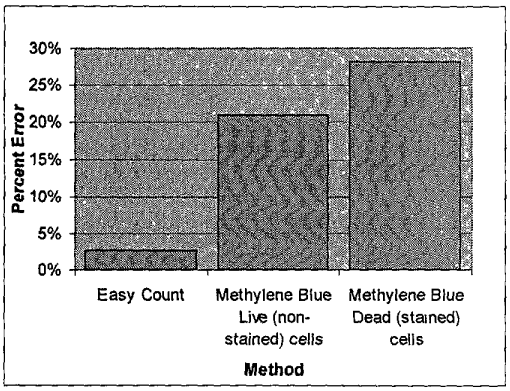

Figure 11